**Index of Claims** 



Application/Control No.

09/713,962

Examiner

Vanel Frenel

Applicant(s)/Patent under Reexamination

RAPPAPORT ET AL.

Art Unit

3626

Rejected Allowed

(Through numeral) Cancelled

Restricted

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Interference

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| Cla  | aim      | Date     |              |              |   |              |  |              |                 |          | Cla      | im       |                | Date     |          |          |          |          |                |          | $\neg$   |          | Т          | Date |  |          |              |          |          |          |          |          |
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| Final  | Original | 12/9/05  |              |              |   |              |  |              |                 |          | Final    | Original |                |          |          |          |          |          |                |          |          | Final    | Original   |      |  |          |              |          |          |          |          |          |
|  | 1        | <b>√</b> |              |              |   |              |  | 1            |                 | $\dashv$ |          | 51       |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$   |                | $\dashv$ | 7        |          | 101        | +    | $\vdash$   |          |              | $\neg$   | _        | $\dashv$ | 寸        | ┪        |
|  | 2        | V        |              |              |   |              | $\vdash$   |              | $\Box$          | $\dashv$ |          | 52       | Н              |          | 1        | 7        |          | -+       | <u>_</u>       |          | _        |          | 102        | ╁    | H  | <u> </u> |              |          |          | 一        | 一        | ᅥ        |
|  | 3        | Ĭ        |              | -            |   | -            | $\vdash$   | $\vdash$     | $\vdash$        | $\dashv$ |          | 53       |                | $\Box$   | +        | +        | +        | _        | <del>- †</del> | +        | _        | -        | 103        |      | Ħ  | $\vdash$ |              |          |          | $\dashv$ | +        | $\dashv$ |
|  | 4        | 1        |              | $\vdash$     | $\vdash$  |              | $\vdash$   | H            | H               | $\dashv$ |          | 54       |                | -        | +        | $\dashv$ | _        | -        |                | $\dashv$ | ┪        | -        | 104        | ╁    | H  |          |              |          |          | -        | $\dashv$ | $\dashv$ |
|  | 5        | √<br>√   | _            | -            | -   | -            | -  | ╁╌           | $\vdash$        | $\dashv$ |          | 55       |                | $\dashv$ | $\dashv$ |          |          | _        | $\dashv$       | _        | ┥        | -        | 105        | +    | -  | ┝        |              | -        |          | $\dashv$ | -        | $\dashv$ |
|  | 6        | v<br>√   |              | ┢╌           |   |              |  |              | H               | $\dashv$ |          | 56       | H              | -        | -        | -        | _        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\vdash$ | 106        | +    | $\vdash$   |          |              | -        |          |          | ┰        | $\dashv$ |
|  | 7        | <b>√</b> | _            | -            |   |              |  | H            | H               | $\dashv$ |          | 57       | -              |          | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$       | +        | $\dashv$ |          | 107        | +    | $\vdash$   | -        | -            |          | -        | $\dashv$ |          | ⊣        |
|  | 8        | V        |              | $\vdash$     |   | -            |  | <del> </del> | $\vdash$        | $\dashv$ | -        | 58       |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+             | _        | $\dashv$ | $\vdash$ | 108        | +    | ┢┈   | <u> </u> |              |          |          | $\dashv$ | +        | ᅱ        |
|  | 9        | V        |              | $\vdash$     |   |              | ┢  | <del> </del> | $\vdash$        | $\dashv$ | <b>—</b> | 59       |                | $\dashv$ | $\dashv$ | +        | -        | +        | -+             | -        | $\dashv$ | $\vdash$ | 109        |      |  | $\vdash$ |              |          |          | $\dashv$ | $\dashv$ | ᅥ        |
|  | 10       | 1        |              | $\vdash$     |   |              | $\vdash$   |              | H               | $\dashv$ |          | 60       | Н              | $\dashv$ | +        | +        | $\dashv$ |          |                |          | $\dashv$ | -        | 110        |      | $\vdash$   | $\vdash$ | _            |          |          | -        | $\dashv$ | ᅱ        |
|  | 11       | V        |              | $\vdash$     | $\vdash$  | -            | $\vdash$   | ┢            |                 | 一        |          | 61       | Н              | $\dashv$ | -        | -        | -        | $\dashv$ | _              | +        | -        | $\vdash$ | 111        | +    | -  | $\vdash$ |              |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 12       | <b>∀</b> | -            |              | $\vdash$  | -            | <del> </del>                                     | $\vdash$     | $\vdash$        | $\dashv$ |          | 62       | $\vdash$       | -        | $\dashv$ | -        | -        | -        | $\dashv$       | +        | $\dashv$ | $\vdash$ | 112        | +-   | $\vdash$   | <u> </u> | -            | H        | H        | $\dashv$ | $\dashv$ | -        |
| $\vdash$   | 13       | <b>√</b> |              | $\vdash$     | $\vdash$  |              |  | H            | H               | $\dashv$ |          | 63       | $\vdash\vdash$ |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | +              | $\dashv$ | $\dashv$ | -        | 113        | +    | $\vdash$   | -        | $\vdash$     | Н        | H        | $\dashv$ | -        | $\dashv$ |
|  | 14       | <b>√</b> |              | -            | -   | -            | <del> </del>                                     | 1-           | $\vdash$        | $\dashv$ |          | 64       | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+             | +        | $\dashv$ | $\vdash$ | 114        |      | 1  | -        | $\vdash$     | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 15       | √        | -            | -            |   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$        | $\dashv$ | $\vdash$ | 65       | H              | $\dashv$ | -+       | -+       |          | -+       | $\dashv$       | +        | $\dashv$ | $\vdash$ | 115        | +    | +  |          | $\vdash$     | Н        | $\vdash$ | $\vdash$ |          | $\dashv$ |
| <del></del>                                      | 16       | <b>√</b> |              | $\vdash$     |   | $\vdash$     | $\vdash$   |              | H               | $\dashv$ |          | 66       | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\vdash$ | 116        | +    | ├  | -        | -            | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 17       | <b>√</b> |              | $\vdash$     |   |              | $\vdash$   | H            | Н               | -        |          | 67       | -              | -        |          | +        | -        | $\dashv$ | $\dashv$       | +        | $\dashv$ |          | 117        | +    | ╁  | -        | -            | $\vdash$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 18       | <b>√</b> |              |              | <del> </del>                                      |              | ┢  |              | $\vdash$        | $\dashv$ | -        | 68       |                | $\vdash$ | $\dashv$ | +        | -        | $\dashv$ | +              | +        | $\dashv$ | -        | 118        | ┼    | ├  |          | $\vdash$     | $\vdash$ | <u> </u> | -        | -        |          |
|  | 19       | <b>∨</b> | _            | $\vdash$     | $\vdash$  |              | $\vdash$   | -            | $\vdash$        |          |          | 69       | H              | $\vdash$ | $\dashv$ | -        | +        | -        | +              | +        |          | -        | 119        | ╫    | ├  | H        | $\vdash$     | $\vdash$ |          |          | -        |          |
| <b>-</b>   | 20       | <b>∨</b> |              |              | _   |              | ⊢  | $\vdash$     | $\vdash$        | $\dashv$ | $\vdash$ | 70       | -              | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +              | $\dashv$ | $\dashv$ | -        | 120        | ╁    | <del> </del>                                     | -        | -            |          |          | $\dashv$ | $\dashv$ |          |
|  | 21       | <b>√</b> | _            | -            | -   | _            | -  |              | H               | $\dashv$ | -        | 71       |                | $\vdash$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |                | -        | -        |          | 121        | ╁    | -  |          | -            |          |          |          | -+       | $\dashv$ |
|  | 22       | <u> </u> |              | ├            |   | -            | -  | ├            | $\vdash$        | $\dashv$ | -        | 72       | -              | -        | $\dashv$ | $\dashv$ | _        | $\dashv$ |                | -        |          | -        | 122        | ╁    | H  | _        | $\vdash$     | -        |          | $\dashv$ | -+       | $\dashv$ |
|  | 23       | -        |              | ⊢            | <del> </del>                                      |              | _  |              | H               | -        | <b>—</b> | 73       | Н              | $\vdash$ | $\dashv$ | $\dashv$ |          | -        | $\dashv$       | +        |          |          | 123        |      | H  |          |              | -        | _        |          | $\dashv$ | $\dashv$ |
|  | 24       |          |              | -            | <del>                                      </del> | _            | -  | H            | $\vdash$        | $\dashv$ | -        | 74       | Н              | $\vdash$ | $\dashv$ |          | -        | $\dashv$ | -+             | +        |          | -        | 124        | +-   | -  |          |              | -        | _        |          | $\dashv$ | _        |
|  | 25       |          |              | -            | -   |              | -  | ┢            | $\vdash$        | $\dashv$ |          | 75       | -              | $\vdash$ | $\dashv$ | $\dashv$ | +        | ᆉ        |                |          |          | -        | 125        |      | ├  |          |              | Н        |          | -        |          | -        |
| -  | 26       | -        |              | ┢            | -   |              | $\vdash$   | Н            | $\vdash$        | $\dashv$ |          | 76       | Н              | $\vdash$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$       | +        |          |          | 126        | ╁    | H  |          | -            |          | _        | $\dashv$ | $\dashv$ |          |
|  | 27       |          |              |              | -   | <del> </del> | -  | Н            | Н               | $\dashv$ |          | 77       | Н              | $\vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |                | +        |          |          | 127        | +    | $\vdash$   |          | $\vdash$     | _        | _        | -        | $\dashv$ | $\dashv$ |
|  | 28       |          |              | -            |   |              | -  | ┢            | Н               | $\dashv$ |          | 78       |                | -        | $\dashv$ | $\dashv$ | $\dashv$ | ┥        |                | -        |          |          | 128        | ╫    | -  |          | $\vdash$     | Н        |          | $\dashv$ |          | $\dashv$ |
| <b>—</b> —                                       | 29       | -        |              | $\vdash$     | $\vdash$  |              | $\vdash$   | ┢╌           | $\vdash$        | $\dashv$ | -        | 79       | Н              | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$       | +        |          | -        | 129        | ╁    | H  |          | $\vdash$     |          |          | $\dashv$ | $\dashv$ |          |
|  | 30       | -        |              | ⊢            | <del></del>                                       |              | -  | ├-           | $\vdash$        | $\dashv$ | $\vdash$ | 80       | Н              | -        | -        | -        | $\dashv$ | $\dashv$ | -              | +        |          |          | 130        | ╀    | H  | _        | $\vdash$     |          |          | $\dashv$ | $\dashv$ |          |
| <u> </u>   | 31       | -        | _            | ┝            | ┢   |              | ⊢  |              | ┥               | -        | $\vdash$ | 81       | Н              | -        | $\dashv$ |          | +        | -        |                | -        |          |          | 130        | ╀    | H  | -        | $\vdash$     | -        | -        |          | $\dashv$ | $\dashv$ |
|  | 32       | $\vdash$ |              | ⊢            |   |              | -  | ┢            | $\vdash$        | $\dashv$ | -        | 82       |                | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -+             | -        |          | -        | 131<br>132 | ╁    |  |          | H            | _        |          | _        | -        | $\dashv$ |
|  | 33       | -        |              | ├            | -   |              | -  | ┢            | $\vdash$        | -        |          | 83       |                | $\vdash$ | -        | -        | $\dashv$ | -        | -+             | +        | -        | $\vdash$ |            |      | -  | _        | H            | -        |          | $\dashv$ | -+       | $\dashv$ |
|  | 34       | $\vdash$ | -            | -            | -   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$        | $\dashv$ | -        | 84       | $\vdash$       | $\vdash$ | $\dashv$ |          |          | $\dashv$ | -+             | -+       | $\dashv$ | $\vdash$ | 133<br>134 | +    | ⊢  | $\vdash$ | $\vdash$     | $\vdash$ | Н        | $\dashv$ | -        | $\dashv$ |
| H  | 35       | $\vdash$ |              | $\vdash$     | -   | $\vdash$     | $\vdash$   | ├            | $\vdash$        | $\dashv$ |          | 85       | Н              | $\vdash$ | +        | $\dashv$ | +        | $\dashv$ | +              | +        | $\dashv$ | -        | 134        | +    | $\vdash$   | -        | $\vdash$     | H        | H        | $\vdash$ |          | $\dashv$ |
| $\vdash$   | 36       | -        |              | $\vdash$     | H   |              | $\vdash$   | $\vdash$     | $\vdash$        | {        |          | 86       | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$ | +              | +        | $\dashv$ | <u> </u> | 135        |      | $\vdash$   | $\vdash$ | -            | Н        | H        | -        |          | $\dashv$ |
|  | 37       | -        | -            | <del> </del> | $\vdash$  | $\vdash$     | ⊢  | -            | $\vdash \vdash$ | $\dashv$ | -        | 87       | Н              | $\vdash$ |          | $\dashv$ | $\dashv$ |          | +              | +        | $\dashv$ | -        | 130        | +    | H  | $\vdash$ | -            | Щ        | -        | -        |          | 4        |
| <del>                                     </del> | 38       | $\vdash$ |              | $\vdash$     | $\vdash$  |              | $\vdash$   | ┢            | H               | $\dashv$ |          | 88       | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | +              | $\dashv$ | $\dashv$ | $\vdash$ | 137        | +-   | $\vdash$   | -        | $\vdash$     | Щ        | H        | $\dashv$ | +        |          |
| $\vdash$   | 39       | $\vdash$ |              | $\vdash$     |   |              | -  | $\vdash$     | $\vdash$        | $\dashv$ |          | 89       |                | -        |          | $\dashv$ | +        | -        | -+             | $\dashv$ | $\dashv$ | -        | 138<br>139 | +-   | -  | _        | $\vdash$     | $\vdash$ | $\vdash$ | $\dashv$ | -        |          |
|  | 40       | $\vdash$ |              |              | Н   | H            | $\vdash$   | ⊢            | $\vdash$        | $\dashv$ |          | 90       | $\vdash$       | $\vdash$ | -+       | $\dashv$ | -+       | $\dashv$ | +              | +        | $\dashv$ | $\vdash$ | 139        | +    | 1  | -        | <del> </del> | Н        | $\vdash$ | $\dashv$ | -        | $\dashv$ |
| H  | 41       | $\vdash$ | $\vdash$     | $\vdash$     |   | $\vdash$     | ⊢  | ├            | $\vdash \vdash$ | $\dashv$ | -        | 91       | $\vdash$       |          | $\dashv$ | $\dashv$ | -        |          | $\dashv$       | +        | $\dashv$ | -        | 140<br>141 | +    | ├  | H        | -            | Н        | -        |          | -        | $\dashv$ |
| <u> </u>   | 42       | $\vdash$ |              | $\vdash$     | -   | -            | -  | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 92       |                | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +              | +        | $\dashv$ | -        | 141        |      | <del>                                     </del> | $\vdash$ | $\vdash$     |          | $\vdash$ | -        |          |          |
|  | 43       | $\vdash$ |              | -            | $\vdash$  | -            | <del> </del>                                     | ╁            | Н               | $\dashv$ | -        | 93       | Н              | $\vdash$ | $\dashv$ | $\dashv$ | +        |          | $\dashv$       | $\dashv$ | $\dashv$ | $\vdash$ | 143        | +    | -  | _        | H            |          | <u> </u> | $\dashv$ | -+       |          |
|  | 44       | -        |              | $\vdash$     | $\vdash$  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 94       | $\vdash$       | $\vdash$ | $\dashv$ | +        | +        | $\dashv$ | $\dashv$       | +        | $\dashv$ | $\vdash$ | 143        |      | Н  |          | -            | Н        | <u> </u> |          | -        | $\dashv$ |
| <b></b>  | 45       | Н        | —            | <del> </del> | $\vdash$  | $\vdash$     | $\vdash$   | $\vdash$     | ┝╌┤             | $\dashv$ |          | 95       | $\vdash$       | $\vdash$ | +        | $\dashv$ |          |          | $\dashv$       | +        | $\dashv$ | -        | 144        | +    | $\vdash$   | -        | $\vdash$     | Н        | $\vdash$ | $\dashv$ | -        |          |
| $\vdash$   | 46       | H        |              | -            | -   | $\vdash$     | <del>                                     </del> | $\vdash$     | $\vdash$        | $\dashv$ | -        | 96       | $\vdash$       | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +              | +        | $\dashv$ | -        | 145        |      | $\vdash$   | $\vdash$ | $\vdash$     |          | $\vdash$ | $\dashv$ |          | 괵        |
| $\vdash$   | 47       | $\vdash$ |              | -            | <del>                                     </del>  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$        | $\dashv$ | -        | 97       | Н              | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\vdash$ | 146        | +    | -  | $\vdash$ | $\vdash$     | Н        | Н        | -        | -        | $\dashv$ |
| <del> </del>                                     | 48       | Н        | <del> </del> | $\vdash$     | $\vdash$  | $\vdash$     | -  | Н            | $\vdash$        | $\dashv$ | -        | 98       | Н              | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | +        | $\dashv$ | -        | 147        |      | $\vdash$   | <u> </u> | $\vdash$     | $\dashv$ | Н        |          | -        | $\dashv$ |
| $\vdash$   | 49       | $\vdash$ | -            | $\vdash$     |   | $\vdash$     | -  | $\vdash$     | $\vdash$        | $\dashv$ | $\vdash$ | 99       | Н              | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       | +        | $\dashv$ | -        | 148        |      | $\vdash$   | <u> </u> | $\vdash$     | $\dashv$ | $\vdash$ |          | -        |          |
| $\vdash$   | 50       | $\vdash$ |              | $\vdash$     | $\vdash$  | $\vdash$     | $\vdash$   | ⊢            | ├               | $\dashv$ | <b>—</b> | 100      | $\vdash$       | $\dashv$ | +        | $\dashv$ | +        | +        | $\dashv$       | $\dashv$ | $\dashv$ | -        | 150        | +-   | $\vdash$   | $\vdash$ | -            | =        |          | $\dashv$ |          | _        |
| -  |          | -        |              |              |   | ı            |  |              |                 |          | 1        | 100      | 1 1            | 1        | - 1      | - 1      | - 1      | - 1      | - 1            | - 1      | - 1      | 1        | 1 100      | 1    | 1  |          | 1 1          | 1        | 1        |          | - 1      |          |